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NEW REFRIGERATORS; COOLING AND HEATING UNITS IN USSR

PRODUCTION OF THE ZIS-MOSKVA HOME REFRIGERATOR -- Moscow, Izvestiya, 10 Sep 53

The Moscow Motor Vehicle Plant imeni Stalin, besides manufacturing trucks and automobiles, produces the ZIS-Moskva home refrigerator. Manufacture of the refrigerator at the plant was organized about 3 years ago. The plant has produced 37,128 units.

In 1952, the output of refrigerators was 1.5 times as great as in 1951. In 1953, refrigerator output will increase by an additional 20 percent.

The condenser of the refrigerator is made of stainless steel and is soldered with silver to prevent corrosion.

Changes have been made in the design of newer refrigerators. Among the new features are a lighter condenser, a better arrangement of shelves, a plastic door on the condenser, and a lock with key on the outer door.

The shop guarantees the refrigerator for 2 years, but seeks to make one which it can guarantee for at least 10 years.

The shop depends greatly on semifabricated and finished parts supplied by such auxiliary enterprises as the Orekhovo-Zuyevo Karbolit, Zaporozh'ye Zaporozhstal', and Vil'nyus El'fa plants.

Plans have been made at the Plant imeni Stalin for a considerable increase in refrigerator output. At the end of 1954, the shop will convert to constant-flow production. Full mechanization and automatization will be provided for all processes. Three conveyer lines are being planned for assembling, testing, and crating. Suspended conveyers will continuously supply assembly lines and other sections with parts and individual assemblies. Electric refrigerator plants are being built in Murom and Leningrad, while the production of refrigerators is being expanded in Saratov.

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IMPROVEMENT IN RIGA-MADE REFRIGERATOR -- Tallin, Sovetskaya Estoniya, 26 Jul 53

Refrigerators from the Riga Kompressor Plant are used in Leningrad, Moscow, Baku, and other cities in the Soviet Union. A consignment of refrigerators was sent to Sverdlovsk on 24 July.

The plant is constantly improving the design and quality of its refrigerators. A change in the design of the condenser reduced the weight of the unit by 400 grams. The condenser was made smaller by making it into two sections instead of three.

As a result of technical improvements, the weight of each refrigerator has been decreased 30 kilograms.

AIR CONDITIONING IN MOSCOW -- Minsk, Sovetskaya Belorussiya, 11 Jul 53

Air-conditioning units have been installed in several plants, theaters, and public halls in Moscow, including shops of the First State Bearing Plant imeni Kaganovich, the Motor Vehicle Plant imeni Stalin, the Serp i Molot Metallurgical Plant, and a number of other plants in the capital. The Metropol' Cinema is air conditioned. High-powered units have also been installed in the tall buildings on Smolenskaya Ploshchad'.

The Moscow Kompressor Plant has mastered the production of new air-conditioning units which can simultaneously clean, cool, and moisten about 10,000 cubic meters of air an hour.

HEAT HOME AND WATER WITH ONE GAS HEATING UNIT -- Moscow, Moskovskaya Pravda, 24 Jul 53

Two experimental KVK models of apartment-size gas hot-water heaters have successfully undergone production tests. The KVK models were made from blueprints of the Mospodzemproyekt Institute [Moscow Institute for Planning Underground Construction?] at a machinery-repair plant of the Production Enterprises Trust of the Moscow Housing Administration. The new heating unit, which is economical, uses 3.2 cubic meters of gas an hour. The heater is to be used for dacha-type homes, or for several apartments aggregating 600 cubic meters of space.

The KVK is regulated by a thermostat. If the pilot light goes out, a special magnetic valve shuts off the gas supply.

The heater can also be used for hot-water supply. It has a temperature relay located inside the boiler for this purpose. The relay regulates water temperature.

Both heaters have been turned over to the Mospodzemproyekt Institute for laboratory testing. After testing, the KVK will be put into series production.

NEW THERMOSTATS -- Moscow, Vechernyaya Moskva, 1 Aug 53

The Moscow Platinopribor Plant has assembled a thermostat for maintaining a constant temperature in studying the solubility of compounds. The device was designed for laboratories of the Moscow State University.

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The device can be used in studying the solubility of compounds in six different liquids. Ordinary thermostats cannot be used for such research.

The new automatic thermostat can maintain a constant temperature of from 20 to 200 degrees centigrade. It is electronically operated.

The plant also has assembled a thermostat for determining the stability of lubricating oils. It was turned over to the All-Union Thermal Engineering Institute, where it received a high rating. The plant has received many requests for such thermostats.

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